ACCESSION NR: AP4041041 S/0120/64/000/003/0157/0159

AUTHOR: Zhegunov, Yu. P.; Kadomtseva, A. M.; Levitin, R. Z.

TITLE: Measuring magnetization in strong impulse magnetic fields by a ponderbmotor method

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 157-159

TOPIC TAGS: magnetization measurement, intensity of magnetization, ponderomotor magnetization measurement

ABSTRACT: A method is suggested for measuring the intensity of magnetization in small (10-100 mg) specimens, such as single crystals, in strong (up to 300 kilo-cerst.) magnetic fields by the force pulling the specimen into a nonuniform magnetic field. The impulse field is built up in a bronze coil through which a 1,500-microfarad capacitor bank is discharged from an initial voltage of 5 kv. A specimen fastened by means of a thin porcelain rod to an electromagnetic-sensor

ord 1/2

ACCESSION NR: AP4041041

diaphragm was introduced into the coil field. A tiny probe coil placed near the specimen served for measuring the field strength. Emf's from both these sources were recorded on a 2-beam cathode-ray oscillograph, and the oscillogram was used for plotting a field-strength vs. intensity-of-magnetization curve. The error of magnetization measurement is claimed to be 10%. "The authors are deeply grateful to K. P. Belov for his constant interest in the work, and to S. F. Litvinenko for aligning the impulse-magnetic-field outfit." Orig. art. has: 4 figures and 8 formulas.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 06Jul63

ENCL: 00

SUB CODE: EM

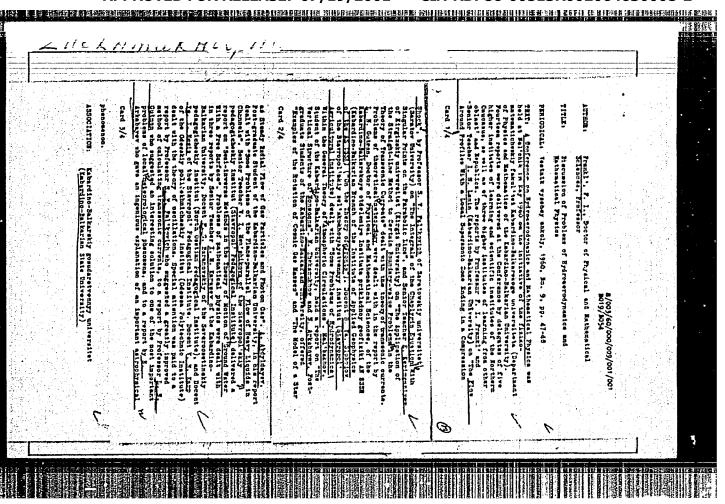
NO REF SOV: 001

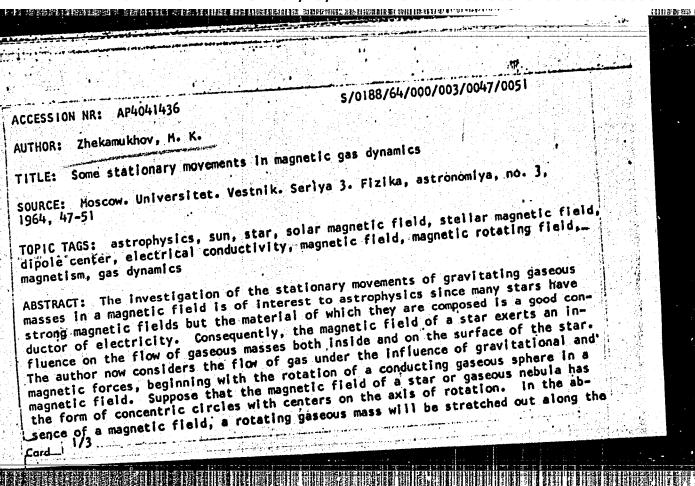
OTHER: 003

Card

2/2

Criteria of vite carried out on a	min C supply onimals). J. h	f the body. (yg. epidem. 6	Results of o	bservations 162.	
1. L'Institut de Moscou.	Vitaminologie	du Ministere	de la Sante (đe l'URSS,	
	(ASCORBI	C ACID)			





ACCESSION NR: AP4041436 equator and will have the approximate form of an ellipsoid of rotation. presence of a magnetic field means that the gas particles rotating around the axis of symmetry will be affected by both the Lorentz force, directed toward the axis of rotation, and centrifugal force. In the configuration examined, the gaseous mass has the form of a sphere, which is possible only when the centrifugal force is equal to the Lorentz force. Equations for this condition are derived. The author then considers the particular case of an impotent field. It is known that impotent fields are defined by the equation $(\vec{H} rot \vec{H}) = 0.$ The particular solution of the equation representing a helical line was obtained in the work of S. I. Sykrovatskiy (Uspekhi fizicheskikh nauk, 62, vykp. 3, 247, 1957). However, it was assumed that rot $H \neq 0$. On the other hand, the present author considers a magnetic field in a moving medium in which the field satisfied the equation $rot \vec{H} = 0,$ Finally, the author discusses the motion of a charged particle at the surface of the Sun, considering the magnetic field of the sun to be the field of a dipole, the axis of which nearly coincides with the axis of rotation of the sun. The

ed particle would be ab its initial energy. The must escape in the form thanks to Professors K.	ate clearly that under these concle to escape from the surface of us, either the Sun must not act of quasi-neutral ionic clouds. P. Stanyukovich and S. B. Pikel tical Sciences M. I. Kiseley for	as a dipole, or the particles "The author expresses iner as well as to Candidate	
	eoreticheskoy fiziki Hoskovskogo	universiteta (Department	
SUBMITTED: 22Jun63		ENCL: 00	
SUB CODE: AA, EM	NO REF SOV: 004	OTHER: 004	
	그들이 되어 가는 사람이 되는 경우 하면도 그렇게 되는 것 같은 아이들이 되었다.	重相的 医多克氏 医多克氏 医多克氏 医多克氏病 医多克氏病 医多克氏病 医二乙二氏试验检尿病 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	

ACCESSION NR: AP4043795

5/0188/64/000/004/0023/0028

AUTHOR: Zhekamukhov, M. K.

TITLE: Steady state rotation of a rarefied gravitating gas mass in a magnetic field

SOURCE: Moscow. Universitet. Vestnik. Seriya 3. Fizika, astronomiya, no. 4, 1964, 23-28

TOPIC TAGS: theoretical physics, magnetic field, gravitating gas mass, magnetohydrodynamics, interstellar medium, galaxy, gas movement, rarefied gas, gas mass rotation

ABSTRACT: The author discusses the steady-state, axially symmetrical rotation of a rarefied gravitating gas mass in an internal magnetic field when it is possible to neglect pressure forces. The linear dimensions of gas masses in space greatly exceed the length of the free path of gas particles; therefore, despite low density, they can be considered a continuous medium whose behavior is described by a system of magnetohydrodynamic equations. Gas masses in space are usually ionized strongly by the radiation of bright stars and are therefore good electrical conductors. In their study it is customary to consider their conductivity to be equal to infinity. This condition is satisfied particularly well for gas masses whose density is relatively great. In this paper it is assumed that the conductivity of the rarefied medium is quite great, but finite. Limited conductivity

ACCESSION NR: AP4043795

leads to dissipation of the magnetic field and as a result it attenuates with time. The attenuation time is $\sim 4\pi \, 6 \, L^2$, where L is a length of the order of the dimension of the region. It follows that for gas masses in space, occupying an enormous volume, the attenuation time of a magnetic field greatly exceeds the age of the Galaxy. Therefore, despite the finite conductivity of the medium the magnetic field can be considered constant in time. The equations of magnetohydrodynamics in the considered case have the form:

ons of magnotohydrodynamics
$$(\vec{u}\nabla)\vec{u} + \frac{1}{4\pi\rho}[\vec{H}rol\vec{H}] = g \, rad \, V, \qquad (1)$$

$$rot \, [\vec{u}\vec{H}] + \lambda \Delta \vec{H} = 0; \qquad (2)$$

$$div\vec{H} = 0, \qquad (3)$$

$$\Delta V = 4\pi\rho G. \qquad (4)$$

where V is gravity potential, $\lambda = \frac{c^2}{4\pi c}$, c is the electrical conductivity of matter and ρ is gas density. The remaining notations are those generally used. Solution of equations (1)-(4) in a general case is very difficult; the author therefore considers several

Card 2/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R00206

ACCESSION NR: AP4043795

special cases corresponding to different forms of magnetic lines of force. A cylindrical coordinate system is used in which the z-axis coincides with the axis of symmetry and the origin of coordinates coincides with the center of mass. Three cases are considered:

1. The vector of strength of the magnetic field has the form $H(II_n, II_{\varphi}, 0)$; 2. the vector has the form H(O, O, Hz); 3. the vector has the form $H(O, H\varphi, O)$ (the magnetic lines of force are concentric circles with centers on the axis of symmetry). Special cases with pressure forces taken into account are also considered. "In conclusion, the author thanks Professor K. P. Stanyukovich for useful advice." Orig. art. has: 28 formulas and 1 figure.

ASSOCIATION: Kafedra teoreticheskoy fiziki Moskovskogo universiteta (Department of Theoretical Physics, Moscow University)

SUBMITTED: 13Apr63

ENCL: 00

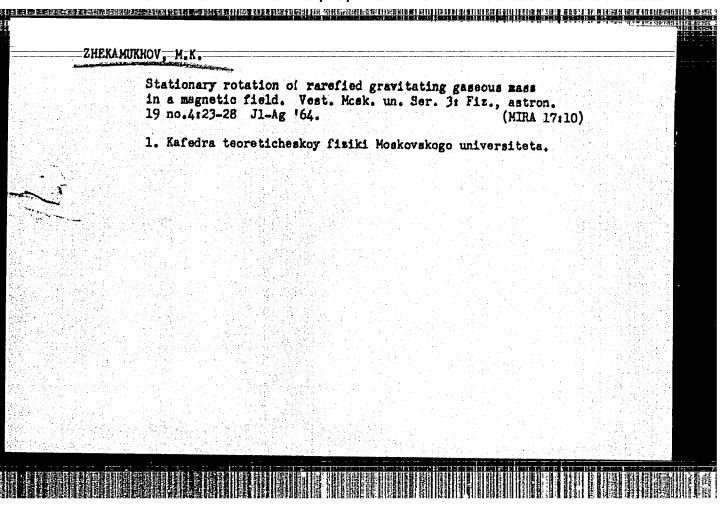
SUB CODE: AA

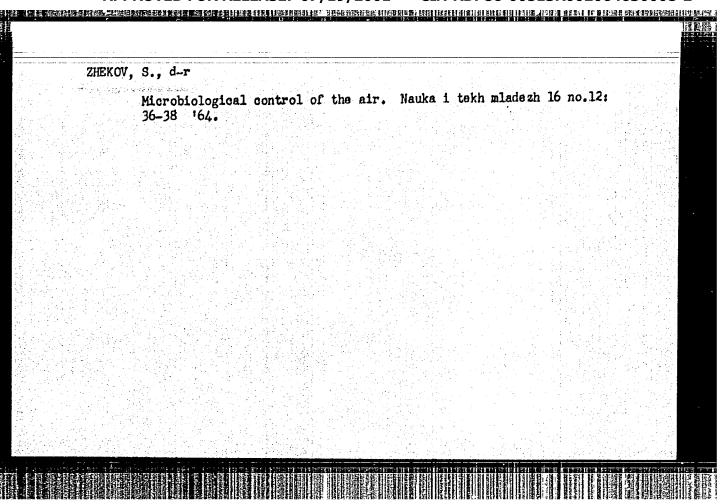
NO REF SOV: 005

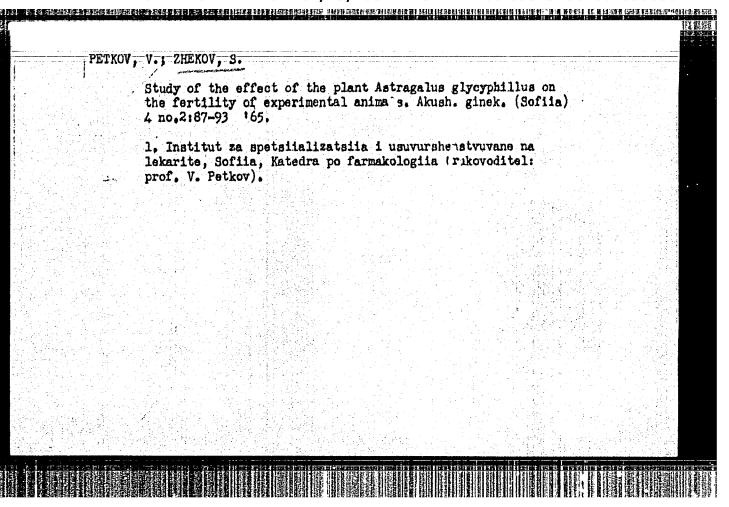
OTHER: 004

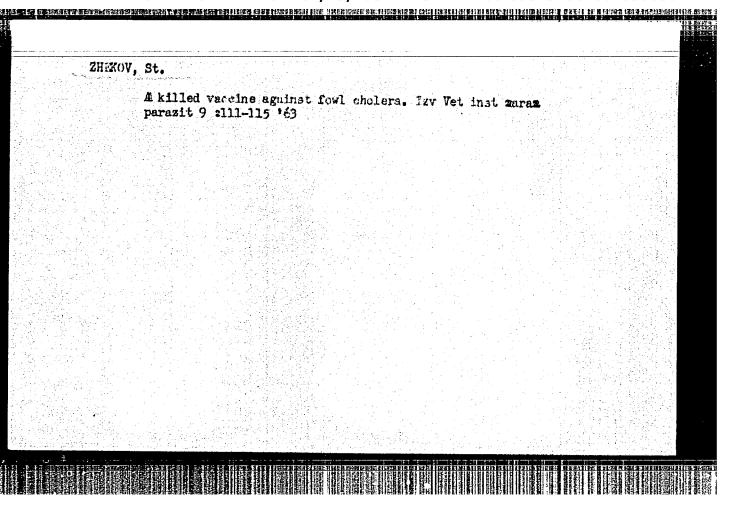
Cord 3/3

	Certain steady motions in magnetohydrodynamics. W Ser. 3: Fiz., astron. 19 no.3:47-51 My-Je 164.	est. Mosk. un.	
	1. Kafedra teoreticheskoy fiziki Moskovskom univ	(MIRA 17:11) ersituta.	
	중하면 함께 되는 이 사람들은 말로 하는 것이 되는 것이 되었다. 참 사람들은 하게 되는 것이 말로 말로 보는 것이 되는 것이 되었다.		
	역하면 경기 마음 등 회원 생활하다는 기능 하다 그리다. 하는다. 하는 경기가 되고 있는데 생활하다면 하는데 하는데 하는데 되었다.		
	수 하고 있다. 이 이 이 시간 사람들은 수 있는 것이 되었다. 그 이 경기를 받는다. 사람들은 사람들은 이 이상이 있는 사람들은 사람들이 있다. 이 이 등 이 기가 있다.		
(1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- "하는 이렇게 하는 것 같아. 이렇게 된 것같아 이 이렇게 하는 것 같아. 		









S/124/62/000/011/004/017 D234/D308

AUTHOR:

Zhekamukhov, M. K.

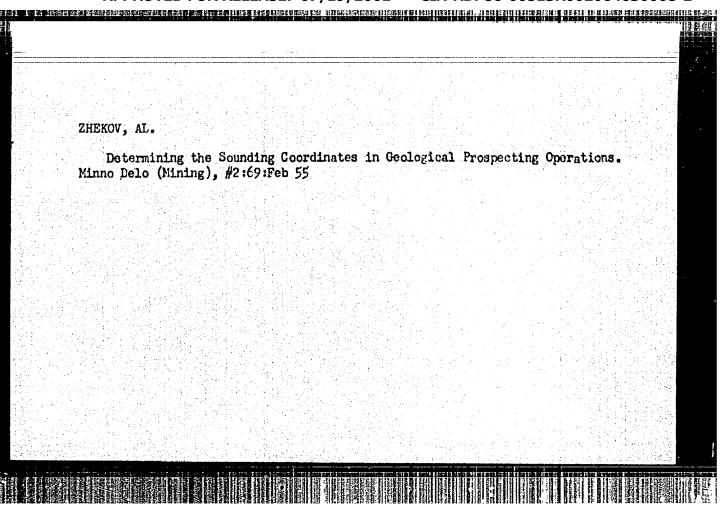
TITLE:

Stationary axially symmetric flows of cosmic gas mas-

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 11, 1962, 17, abstract 11B101 (Uch. zap. Kabardino-Balkarsk. un-t, 1961, no. 13, 38-41)

TEXT: The author studies potential flows of gas filling the whole space in gravitational self field. Velocities are assumed to be small and the effect of gas motion on density and pressure distribution is neglected. Under these assumptions a solution is obtained for the flow function as an expansion in Legendre polynomials: A solution corresponding to a ring-shaped vortex is constructed. The geometrical picture of flow is not given. The solution obtained is not compared with the well-known solution which does not take gravitation into account. The validity of the assumption about the smallness of velocities is not discussed. Z Abstracter's note: Complete translation. 7 Card 1/1



RULGARTA

ZHEKOV, A. [Affiliation not given.]

"Improving the Hygienic Standards of Milk and Milk Products in Our Country."

Sofia, Veterinarna Sbirka, Vol 60, No 4, 1963; p 22.

Abstract: Brief report of a national one-day meeting in Sofia in February 1962 under sponsorship of 3 ministries concerned with agricultural production. Some random economic and agricultural data from various districts and Bulgaria as a whole are given as reported at the meeting; in general, the conclusion was that there is rapid improvement in dairy sanitation taking place all over the country at present although much remains to be done.

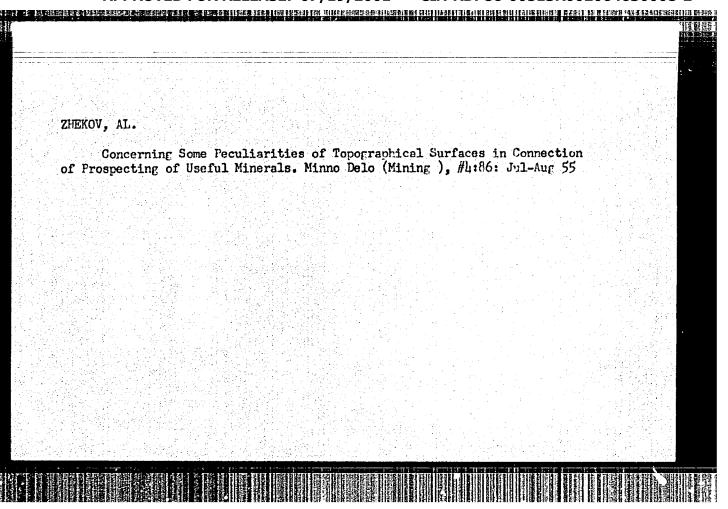
1/1

3

ZHEKOV, A.

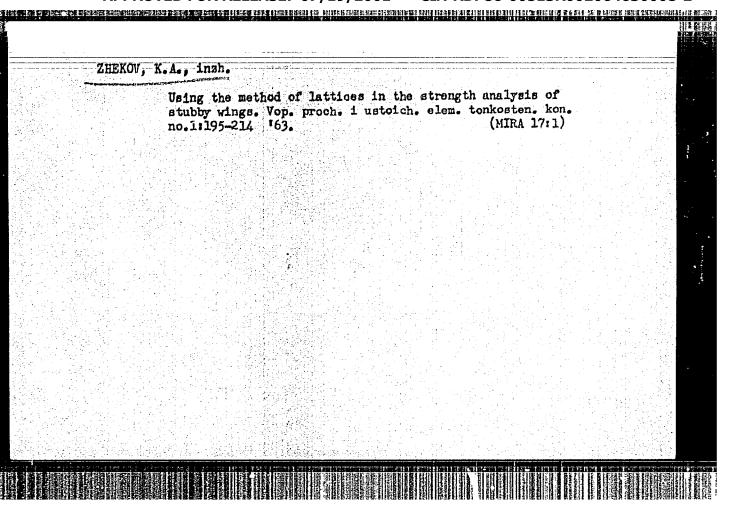
"Determining the Coordinates of Crosscuts in Boring for Useful Underground Naterial", P. 45, (MINNO DELO, Vol. 9, No. 3, Mar. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EFAL), LC, Vol. 4, No.1, Jan. 1955, Uncl.

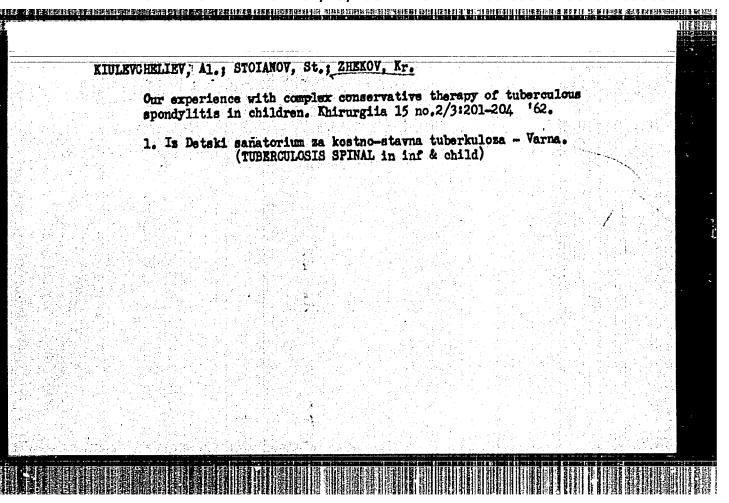


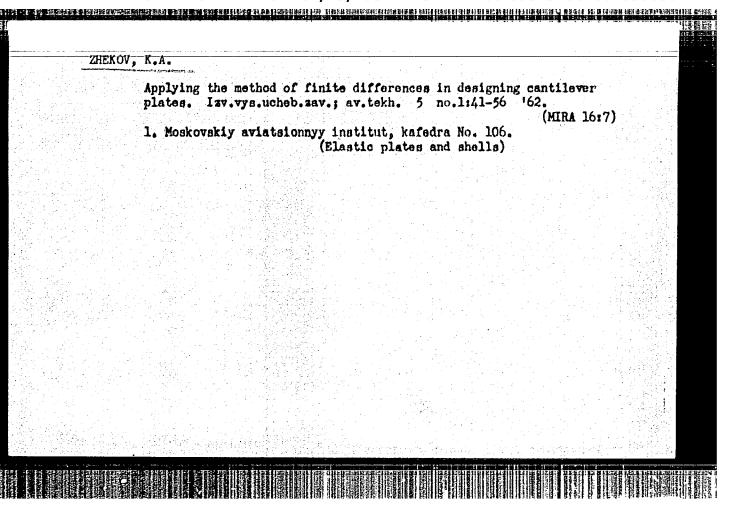
Vol. 2.	Gavrail - (Internal al schools)	combustic	vutreshno n motors;	gorene. for the	Sofiya (Na upper grade	rodna pros	veta) 1: mical-	951)		
SO: Mor	nthly List	of East E	uropean A	ccessions	, Library o	f Congress	, Vol. 2	. No. 9	•	
Oct. 195	3, Uncl.									

no mekhano	ivrail Motor otekhnika. K for the 4th	Sofiva (Nar	oda prosvet	a) 1952	Vol. 1 (Int	ternal comb	na tekhnik ustion eng	umite ines;
80.	nly List of				Vol 1 No.	1 Jan 15/	linc).	
oo: Moner	ity biscor.	east Europe						



ZHEKOV, Kr. Prevention and correction of deformities in tuberculous spondylitis. Khirurgiia, Sofia 10 no.9:826-832 1957. 1. Detski samatorium za kostno-stavna tuberkuloza prof. P. Stoianov; Varna 01. lekar: Al. Khlevcheliev. (TUBERCULOSIS, SPINAL, in infant and chil., prev. & ther. of deformities (Bul))





ACCESSION NO: AT3003032

AUTHOR: Zhekov, K. A. (Engineer)

TITLE: Calculation of the strength of short wings using finite difference methods

SOURCE: Moscow. Aviateionny*y institut. Voprosy prochnosti i ustoychivosti

clementov tonkostenny*kh konstruktsiy, no. 1, 1963, 195-214

TOPIC TACS: wing strength, wing strength calculation, finite difference method,
partial differential equations, differential equation computer solution, computer
solution

ABSTRACT: A finite difference method to be used with computers for determining the
strength of short wings of arbitrary cross saction and variable thickness (but with
strength of short wings of arbitrary closely spaced ribs to permit isotropic
tectropic properties or sufficiently closely spaced ribs to permit isotropic
adsumption) is presented. An example of a short triangular wing with a rhombic
adsumption) is presented. An example of a short triangular wing with a rhombic
adsumption is used to demonstrate the method, end results are compared with
cross section is used to demonstrate the method, end results are compared with
cross section is used to demonstrate the method, and results are compared with
cross section. The method uses the known partial differential equation for bending of
experiment. The method uses the known partial differential equation for bending of

ACCESSION NO: AT3003032

$$\sigma_{x} = \frac{Eh}{2(1-v)} \left(\frac{\partial^{2}w}{\partial x^{2}} + v \frac{\partial^{2}w}{\partial y^{2}} \right);$$

$$\sigma_{y} = \frac{Eh}{2(1-v)} \left(\frac{\partial^{2}w}{\partial y^{2}} + v \frac{\partial^{2}w}{\partial x^{2}} \right);$$

$$\tau_{xy} = Oh \frac{\partial^{2}w}{\partial x \partial y};$$

(normal nomenclature, w = deflection of neutral plane) and boundary conditions:

(a) built-in end w = 0, $\frac{\partial w}{\partial n} = 0$; (b) free end $M_n = -D\left(\frac{\partial^2 w}{\partial n^2} + v\frac{\partial^2 w}{\partial t^2}\right) = 0, \quad R_n = Q_n + \frac{\partial M_{nt}}{\partial t} = 0.$

(c) pivoted end w=0, $M_n=-D(\frac{nw}{2}+v\frac{nw}{2})=0$. These equations are combined, and, using the usual finite difference expressions (error of order Δx^2 , Δy^2) for the partial derivatives, they are expressed in finite difference form. The finite difference patterns used for different boundary conditions are shown in Fig. 1 on the Enclosure. The sample wing has a 450 leading edge and a straight trailing edge; the relative thickness at the center of the chord is h=2.8%. The wing was assumed built-in along the entire chord (b=550 mm). A 20 point pattern ($\Delta y=\Delta x$)

Card 2/55

ACCESSION NO: AT3003032		
distributed over the trier pattern the theoretical wi has: 5 figures, 3 tables,	ngular wing was used. Even with this ing deflection obtained was only 13% and 23 formulas.	comparatively crude in error. Orig. art.
그 동안의 그 사람들이 돌아가 되는 것을 먹는 것을 다.	Latsionny*y institut (Moscow Aviation	· Institute)
SUBMITTED: 00	DATE ACQ: 27Jun63	ENCL: 02
SUB CODE: AP, CP	NO REF SOV: 004	OTHER: 001
	와 의 물을 가운 사람이 되었다면요 그는 밤에게 하시는 하는 사람들이 들었다. 그 사람들이 되었다.	원 전 경기 (1)

36704 5/147/62/000/001/006/015 E200/E535

AUTHOR:

equation

Zhekov, K.A.

13. - - - --

Application of finite difference equations to

solution of cantilevered plates PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Aviatsionnaya

tekhnika, no.1, 1962, 41-56

Finite difference equations, which lend themselves to computer programming, are set up to determine deflection at any point in a cantilevered plate of uniform thickness and TEXT: loaded by an arbitrary transverse load. Starting with plate

(1.1)

The author develops the following equation for any point inside a regular orthogonal net which represents a given plate

 $c_k W_k + \sum_i c_i W_i = \frac{P_k \Delta s}{D}$ (3.8)

Card A/2

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064630008-2"

Application of finite difference ... S/147/62/000/001/006/015 E200/E535

1915年 - 1915年

where k = 0, I, II, ..., XIX - represents a typical point, i = 1,2,3,...,12 - number of points surrounding the typical point, W - deflection, P - force, \(\Delta \sigma \) is a - parameter of the net. C is given below

Deflections calculated for a trailing edge of a wing using the author's programme were about 9% higher than those obtained by D. Williams in "A general method (depending on the aid of a digital computer) for deriving the structural infenese coefficients of aeroplane wings". London, 1959 (ARC, R and M, No. 3048). The matrix equations derived by the author can be used with any type of loading or for natural vibrations calculations. There are 3 figures and 1 table.
ASSOCIATION: Kafedra 106, Moskovskiy aviatsionnyyinstitut (Department 106, Moscow Aviation Institute)
SUBMITTED: April 24, 1961

GOUNTRY CATEGORY	Bulgaria H-28	
ABS. JOUR.	RZKHIW., No. 16 1959, No. 58861	
INST.	Daskalov, P. Kh., Tenov, H. S., and Zhekov, P. Not given The Continuous Desulfitation of Fruit Pulp Under Pressure	
ORIG. PUB.	: Khranitelna Promishlenost, 7, No 10, 11-15 (1958)	
ABSTRACT	A continuous desulfitator is described. The sulfitated pulp is transferred to a closed storage tank from which it is pumped to a heater for a preliminary desulfitation treatment with live steam (2.5 atm) with heating to a temperature above 100°. The pulp from the heater is passed into a vacuum apparatus [sic: see title] in which the major portion of the SO, is separated without heating. The desulfitated pulp containing 50-100 mg SO, per kg is transferred to	
CARD: 1/2		
CARD: 2/2		

ZHEKOV, R	• • • • • • • • • • • • • • • • • • •							
"Suggest1	on for satura	ating ani	imal fats	with inact	tive gas	369. ¹¹		
KHIMIIA I	INDUSTRIIA,	Sofiia,	Bulgaria,	Vol. 31,	no. l,	1959.		
Monthly]	List of East	Europe A	ccessions	(EEAI), I	.C, Vol.	8, No.	ارری 6, Jun 59, Unclas	

Infectious Diseases

BULGARIA

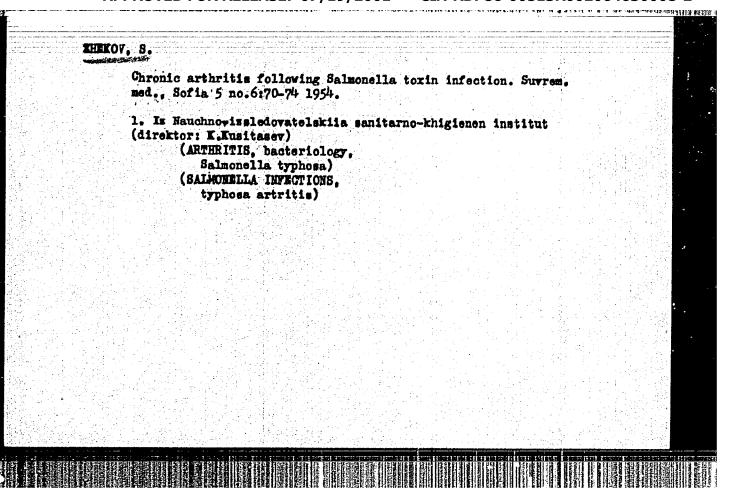
ZHEKOV. S., RAYNOV, A., MARKOV, K., and PISAREV, S.; Chair of Pathophysiology (Head Prof St. Pisarev) and Chair of Microbiology (Head Prof Sv. Burdarov), Higher Medical Institute, Sofia

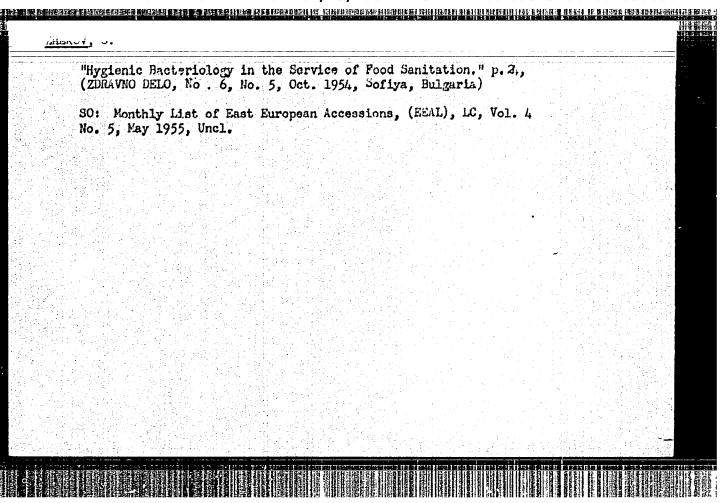
"Effect of the Endotoxin of Salmonella Typhimurium on Streptococcal Myocarditis in Rats"

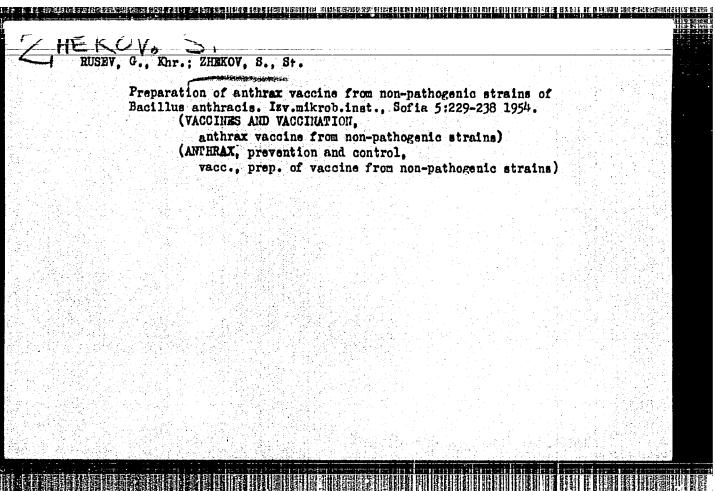
Sofia, Suvremenna Meditsina, Vol 17, No 11, 1966, pp 926-932

Abstract: S. Zhekov (Suvremenna Meditsina, Vol 5, No 6, 70-74, 1954) established that alimentary toxicoinfection caused by S. typhimurium improved considerably the condition of persons with chronic rheumatic fever. In experiments that were conducted, it was found that intraporitoneal injections of S. typhimurium endotoxin had a therapeutic effect in experimental myocarditis of rats produced by infection with bota-hemolytic streptococci. The rate of survival of experimental animals was higher than that of controls. There were considerable differences between experimental and control animals as far as the erythrocyte sedimentation rate and the histomorphological state of various organs were concerned. Tables, 4 references (all Bulgarian). Russian and English summaries. Manuscript received Jul 66.

1/1







ZHEKOV, S.

SURNAME (in caps); Given Names

Country: Bulgaria

Academic Degrees: MD

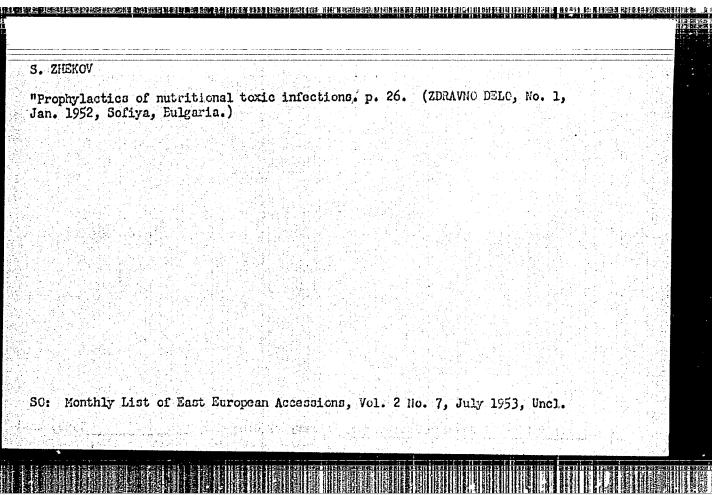
Affiliation: not indicated

Source: Sofia, Khigiena, No 1, Jan/Feb 61, pp 35-36

Data:

"The Second Scientific Session of the Plovdiv Okrug Sanitary and Epidomiological Station (Plovdivska Okruzhna Sanepidstantsiya)."

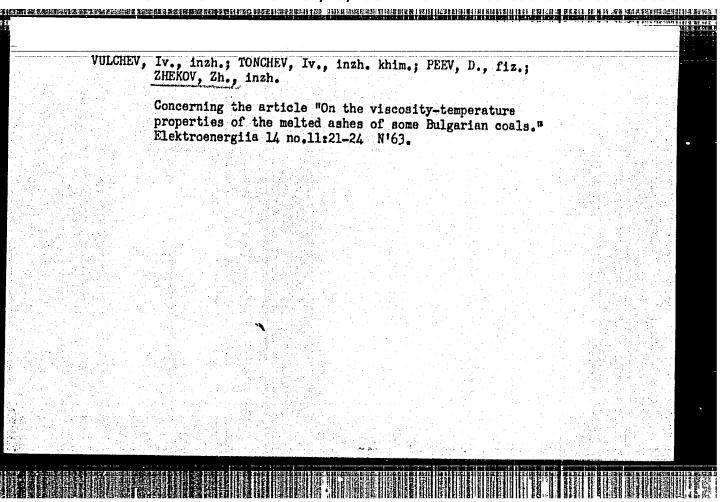
ZHEKOV	, S.A.; DANON, S.M.
	Some improvements in fermentative methods for determining the colititer. Lab.delo 6 no.2:51 Mr-Ap *60. (MIRA 13:6)
	1. Hauchno-issledovatel skiy sanitarno-gigiyenicheskiy institut, Bolgariya. (BACTERIOLOGYCULTURES AND CULTURE MEDIA)
	COMUNE PRIIA
19 12 13 13 13 13 13 13 13 13 13 13 13 13 13	



GENEV, Khristo, d-r; ZHEKOV, St.; VACHEV, Bl.; DENEV, Dr.; IORDAMOV, R.

Infectious pneumonias in pigs in Bulgaria. Izv Vet inst
zaraz parazit 7 5-20 '63.

1. Member of the Board of Editors, "Izvestila na Veterarnila institut za zarazni i parazitni bolesti" (for Genev).



KHADZHOV, Blagoy, inzh.; ZHEKOV, Zheko, inzh.; TONCHEV, Ivan, inzh.-khimik;
PEYEV, Dimo, fizik

Viscogity of the slag of Bulgarian coal mined in "Mariten-Vogtok" and "Chernoe More" Basins. Teploenergetika 12 no.2:87-39 F '65.

(HHWA 18:3)

1. Nauchno-issledovatel'skiy institut energetiki, Sofiya.

BULGARIA

STANGEV, I, head physician (gl lekar), and ZHEKOV, Zh, of the Okrug Hospital (Okruzhna bolnitsa), Fazardzhik

"Melanoblastosis of the Pia Mater"

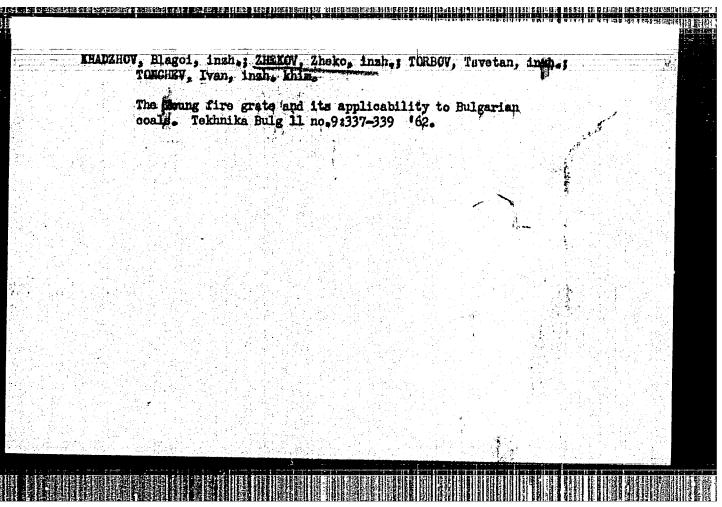
Sofia, Nevrologiya, psikhiatriya i nevrokhirurgiya, Vol 5, No 3, 1966, pp 174-177.

Abstract [Authors' Russian and English summaries, modified]:
The article describes primary melanoblastosis of the pia
mater in a finely granulated, diffuse form involving mainly
the cerebral basic-with metastasis to the basal surface,
plexus chorioideus and hypophysis. Clinically, a diencephalic syndrome was observed, focal symptoms, diabetes mellitus, hypertension, etc. The condition had a slow evolution.
Histological findings demonstrated characteristic perivascular
arrangement of the cells, which were irregularly pigmented
with achromatic areas. Oval cells predominated. Fifteen
references, including 4 Bulgarian, 3 Russian, 1 German, and
7 Western. (Manuscript received, November 1965).

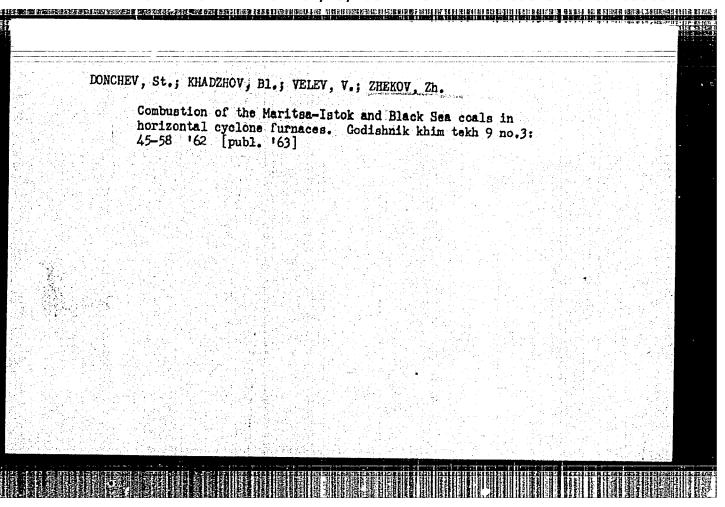
1/1

Lessons from feeding andprotecting partridges during the winter of 1953/54. p. 462 (GORSKO STOPANSTVO Vol. 10, No. 10, Dec. 1954)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.



		ainst t ic Na C				2 4.	40.00		-		(F•/7 vet)	Sofi	oksko Ja Ve	370P :1 10	NST No:	VO LJar	1 1954	F	
50:	East	Europe	an Ac	cessi	ons L	ist \	Vol 2	110 7	Aug	1954									
									egy fr										
						4.5													
															in a second				
											la de la compansión de								
																M 25 Pg 25			
															indit. La fil				
												. : :		1					
																	1		
													ing terminal Pangkatangan	i sist Orași					
9.4					Anne and Anne				na davida										



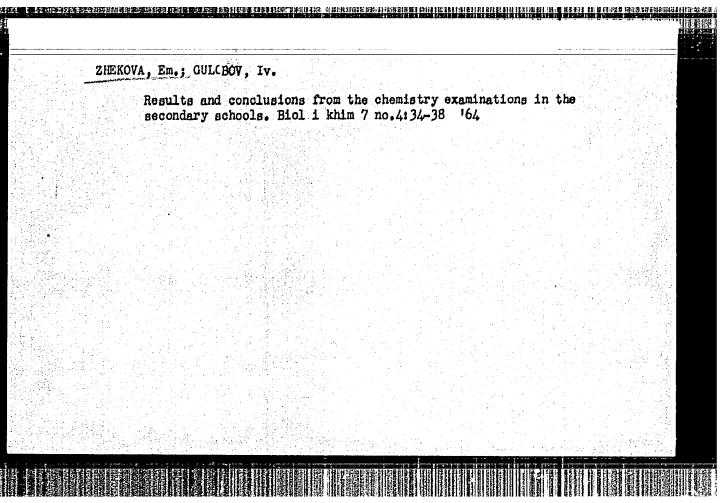
DONCHEV, Stefan, insh.; KHADZHOV, Blagei, insh.; ZHEKOV, Zheko, insh.; VELEV, Velo, insh.

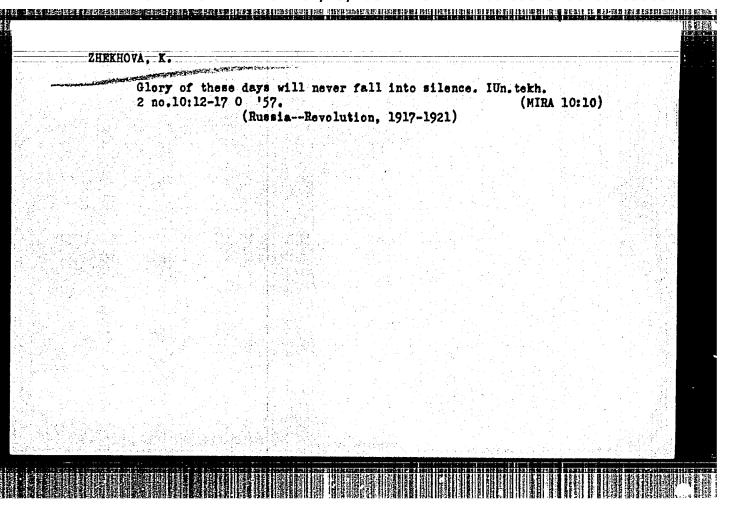
Research on burning of black and brown coal in horizontal cyclone furnace. Tekhnika 10 no.9:24-28 '61.

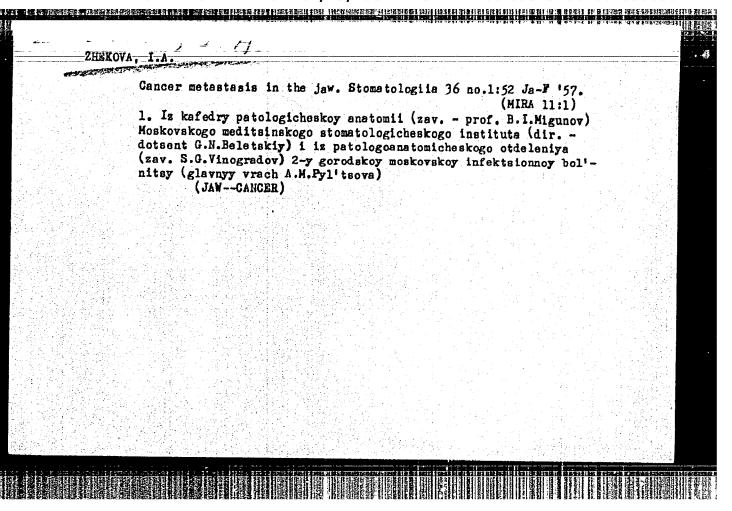
(Coal) (Furnaces)

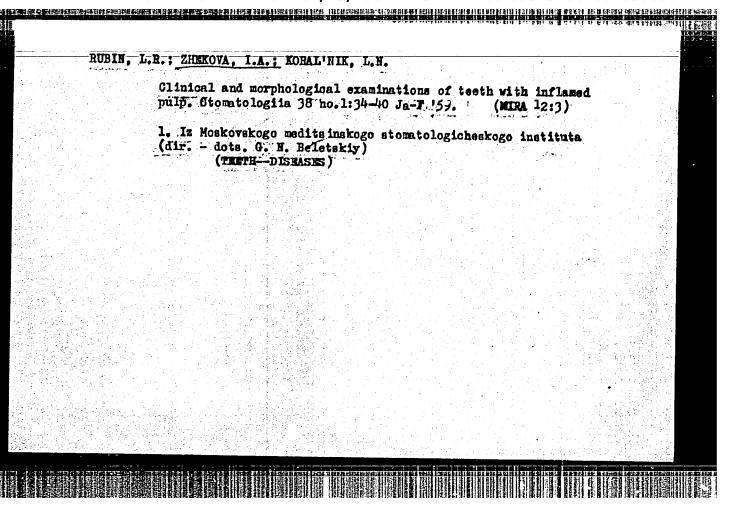
i ILTI	EVA, M., uchitelka [Sofiia], ZHEKOVA, Em, uchitelka [Sofiia]	
	Metallurgy of cast-iron in 9th class; lecture with films. Biol i khim 4 no.5:44-46 '61.	
	(Metallurgy) (Castiron)	
	는 사용 기업 등에 되었다. 이 경화를 가득하는 것이 되는 것이 되었습니다. 그는 것이 그 보는 것이 되는 것이 되는 것이 되는 것이 없다. 본 경기들이 되는 것이 없는 경화를 보통하는 것이 되는 것이 되었습니다. 그런 것이 되었습니다. 그런 것이 되었습니다. 	
	마이크로 보고 있는 것을 하는 것이 되었다. 그런 말이 되었다. 그 이 이 가장 보고 있는 것이 되었다. 그는 것이 되었다. 그런 것이 되었다. 그런 것이 되었다. 	
	나이트를 받아 있는데 경우를 보면 한 일이 되는데 보고 있다. 그는 이 그를 가고 싶을 것이다. 그렇게 되었다. 그는 이를 한 것이 있는데 그를 하는데, 그는 이 소속하게 되었다. 그는 이 그를 하는데 하는데 보는데	

BAKA		nzh.; ZHEKOV	e el med t apateur eus e			
	bismuth	and aluminu	m in ductile	ll quantities of cast iron. M	of boron, Lashinestroene	
	12 no.	L1:43-44 N	'63.			
	1. Ts2I	. pri DMZ "O	. Dimitory"	, Ruse.		
			시 (1982년 일) 18 등에 (1982년 18 등에 (1982)			









ZHEKOVA, M.

SURFAME (in capa); Given Names

Country: Bulgaria

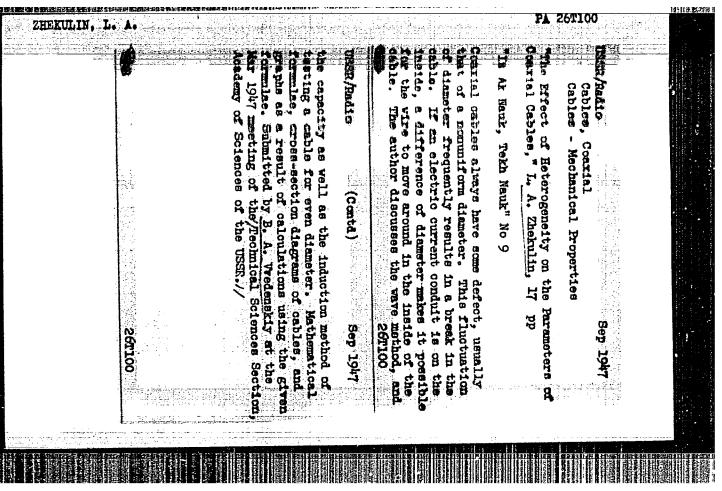
Academic Degrees:

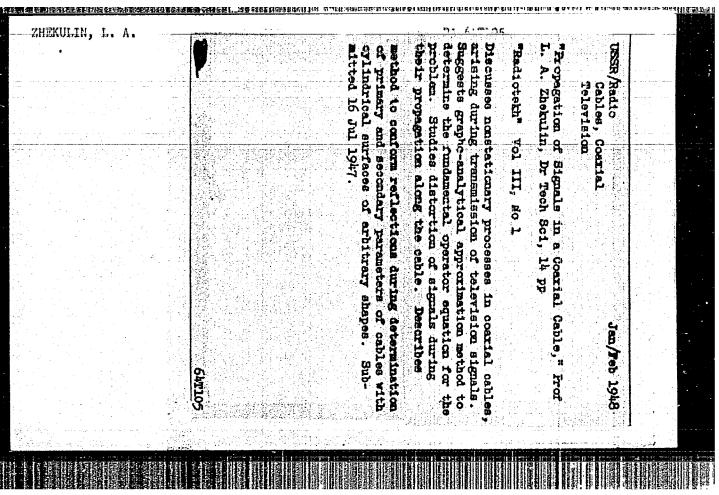
Afriliation: Senior Laboratory Worker at the Therapeutic Clinic of the Advanced Medical Institute (VMI)

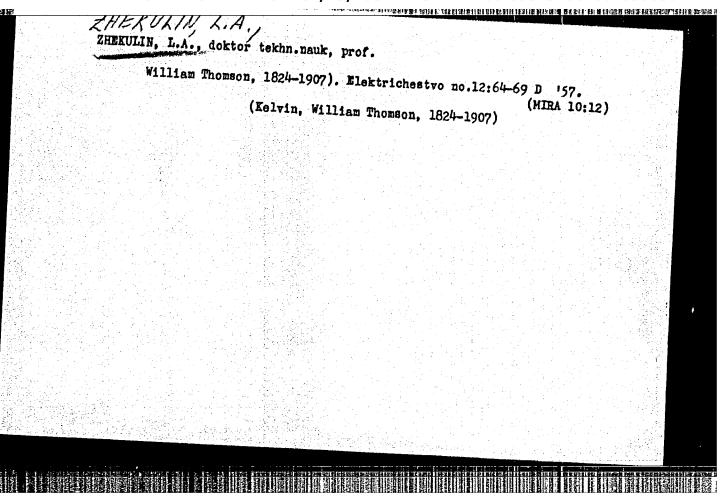
Sofia, Sreden Meditsinski Rabotnik, No 1, 1961, pp 44-45

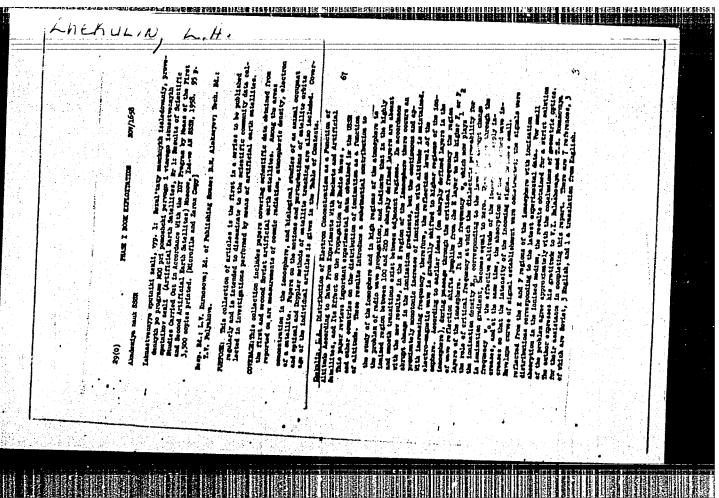
"The Work Organization in Clinical Laboratories." Data:

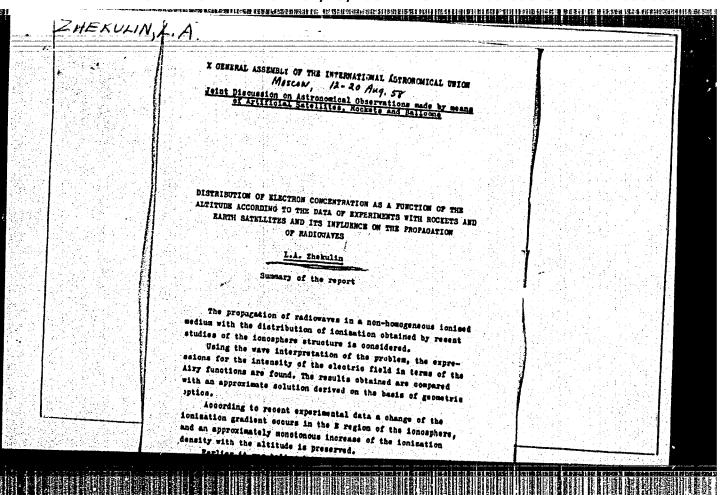
"Propagation of Electromagnetic Signals in Coaxial Cable," Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No. 3, 1941. Submitted 21 Oct 1940. Report U-1530, 25 Oct 1951	ZHEKULIN, I.		i incolembrada i industribu	Merica and in the control of		
Report U-1530, 25 Oct 1951	"Propagation	of Electromagnetic	Signals in Coaxial Oct 1940.	Cable," Iz. Ak.	Nauk SSSR, Otdel.	Tekh.
	Report U-	-1530, 25 Oct 1951				
					시시 시시 최고 함께 보고 100년 전환환경	
FRANCE NEW YORK NEW STATES NEW STATES NEW STATES NEW STATES NEW YORK NEW YORK NEW STATES NEW STATES NEW STATES FRANCE NEW STATES NEW FRANCE NEW STATES NEW						
프레인 하는 등에 개통하는 살아들은 나는 이렇게 되었다. 이 살아 하는 이 이 이 이 아니는 이 사람이 모든 그를 모르는데						
등을 하고 있는 사용하는 사람들은 경기를 받아 보고 있다. 이 사람들은 사람들이 되었는데 보고 있는데 그 사람들이 되었는데 그리고 있다. 생물을 들어가는 것은 사람들은 사람들은 사람들이 되었다. 사람들은 생물을 하지만 되었는데 보고 말을 하고 있는데 그리고 있는데 사람들이 되었다.						
			*** 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2			23 1 24 24 24 24 24 11 11 11 11 12 12 12

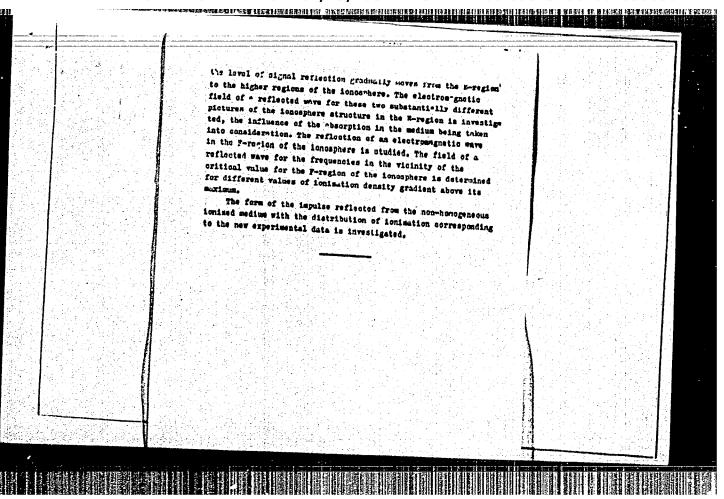


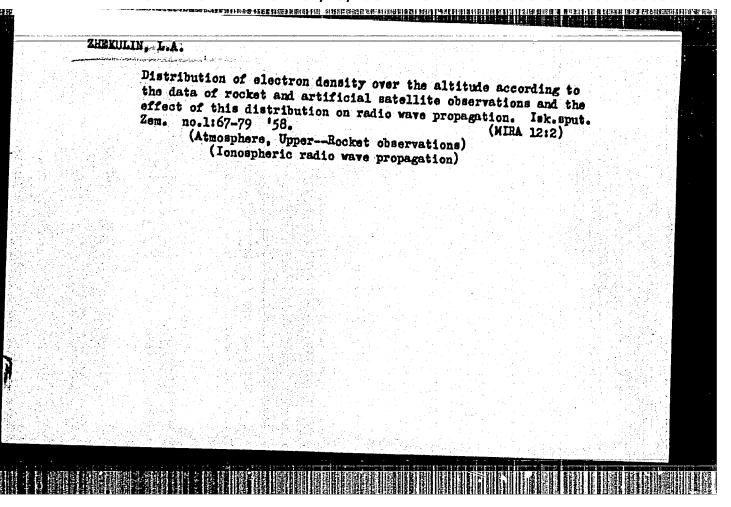












AUTHORS: Neyman, L. R., Polivanov, K. M., Zhekulin, L. A., Gonorovskiy, I. S., 301/105-58-7-29/32 Solov'yev, I. I., Tsypkin, Ya. Z., Gavrilov, M. A, Ul'yanov, S. A., Luvrov, V. M. and others TITLE: Professor G. I. Atabekov (Professor G. I. Atabekov) To His 50th Birthday (K 50-letiyu so dnya rozhdeniya) PERIODICAL: Elektrichestvo, 1958, Nr 7, pp. 93 - 93 (USSR) ABSTRACT: Professor Grigoriy Iosifovich Atabekov, Doctor of Technical Sciences, was born in 1908. In 1930 he graduated from the Elektromekhanicheskiy fakultet Tbilisakogo politekhnicheskogo of Electromechanics at the Tbilisi Polytechnical Institute). He worked as engineer in the Zakenergo, then moved to Moscow where he worked as chief engineer in the Mosenergo and then in the Teploelektroproyekt. He worked out several distance-protection circuits which are used in energy systems. In 1945 an inertialess directed high-voltage protection device with a phase sensitive circuit was developed as control organ for the 400 kV Card 1/2 transmission line from the Kuybyshev Power Plant to Moscow

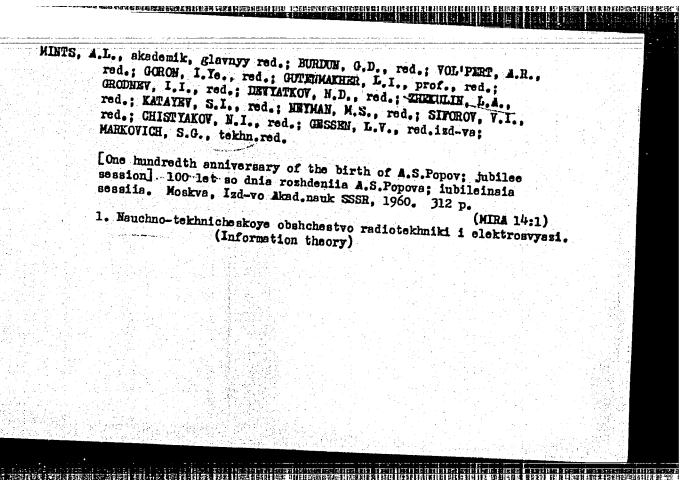
Professor G. I. Atabekov. To His 50 th Birthday

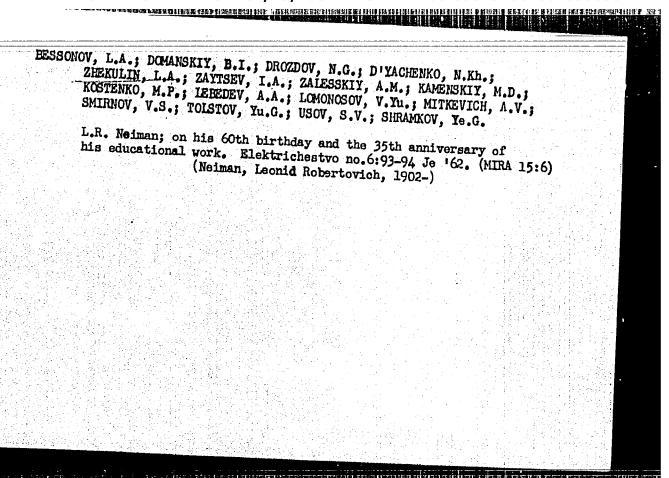
sov/105-58-7-29/32

under his supervision in the TsNIEL of the Ministry of Electric Power Stations. In 1950 he was awarded the Stalin Prize for the development and introduction of the mass production of directed high-voltage filter protection device for electric supply lines. Since 1946 he is head of the Department of Theoretical Foundations of Electrical Engineering at the Moskovskiy aviatsionnyy institut (Moscow Institute of Aeronautics). He made 48 inventions and published 98 scientific papers. He is member of the editorial staff of the periodical "Izobretatel stvo v SSSR" ("Inventions in the USSR") and the periodical "Izvestiya vysshikh uchebnykh zavedeniy" (Energetika) ("University News" (Power Engineering)). His papers were translated and published in Hungary, Fumania, and China. There is 1 Photograph.

1. Scientific personnel--USSR

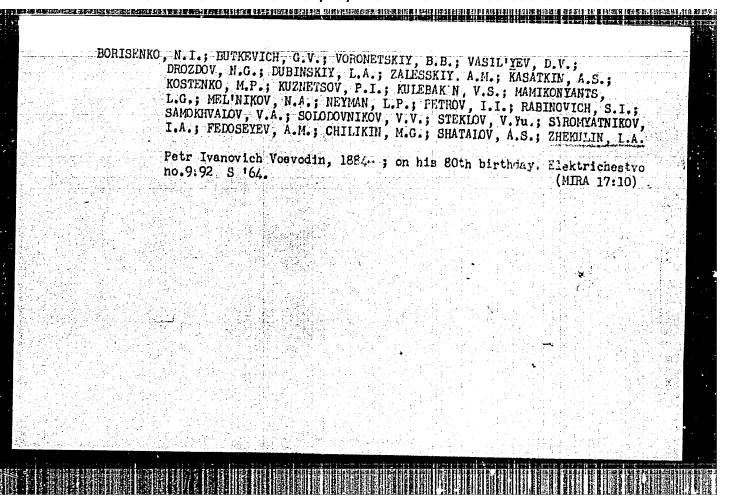
Card 2/2





SIROTINSKIY, L.I.; POLIVANOV, K.M.; NETUSHIL, A.V.; RABIKOV, M.A.; SYROMYATNIKOV, I.A.; DROZDOV, I.G.; FEDGSEEV, A.M.; CHILIXIN, M.G.; EESSCHOV, L.A.; EUTKEVICH, G.V.; ZHEKULIN, L.A.; NEYMAN, L.R.; GORTINSKIX, S.M.; SMIRNOV, A.D.; MAMIKOWIANIN, L.G.; PETROV, I.P.

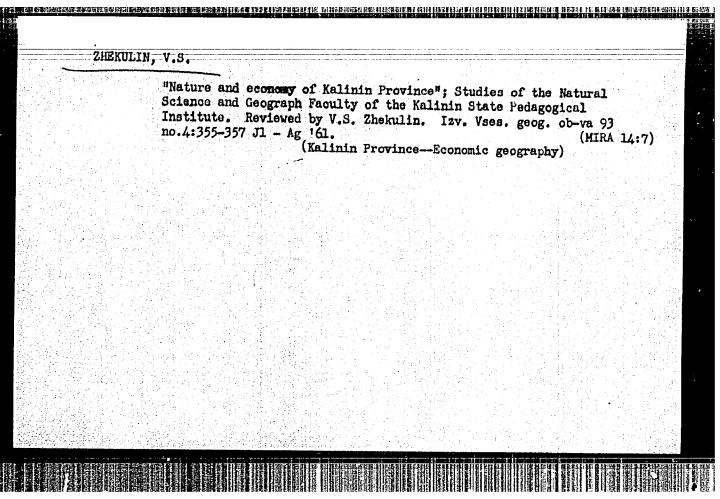
Vsevolod IUr'evich Lomonosov; obituary. Elektrichestvo no.12:88
D'62. (Lomonosov, Vsevolod IUr'evich, 1899-1962)

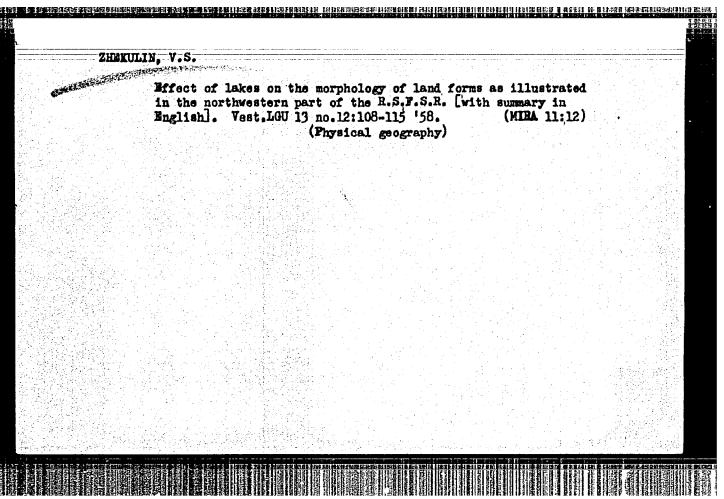


Some ideas 63-66 Ja-	on historical	geography.	Izv. Vses.	geog.	ob-va 9	7 no.1:	
					(MIRA	18:3)	
경기 등에 있는 것을 받는 공기 있는 이번 이번 기계를							
			医外侧 的人	100	Standar.		

1. Pedagogicheskiy institut, Kalinin. (MIRA 1876)				operations Vop. psikh	in the cool. 1. no.	-2:79 <u>-90</u>	Mr-Ap	65.	
	1. Pedag	gogichesk	iy institut	, Kalinin.		(wt	KA 18:6)		

From the	e practice Izv. Vses.	of making geog.ob-va	a landform	map for 176-177	a regions	il geographic	al
	(Ta	mbov Provi	се Мара)			(MIRA 15:5)	





ZHEKULIN, V.S., Cand Geog Sci — (diss) " Types of lake landscapes in the Nerth-West RSFSR (on the question of the typology of geographic landscapes)." Len 1958, 17 pp. (Len Order of Lenin State Univ im A.A. Zhdanov) 150 copies (KL, 39-58, 107)

- 14 -

ZHUEKU	LIN, V.S.					
The second second second	Typology of	landscapes.	Izv. Vses. geog	ob-va 90 no.	2:153-158 (MIRA 11:5)	
			(Iandscape)			
(1) : (1) :						
						日前國際傳統

12-90-2-7/30 AUTHOR: Zhekulin, V.S. TITLE: On the Classification of Landscapes (K voprosu o tipologii landshaftov) Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958, PERIODICAL: Vol. 90, Nr 2, pp 153-158 (USSR) ABSTRACT: Although the systematism of landscapes is extremely important in various fields, it is a fact that until the present the . classification of landscapes was not sufficiently dealt with. Methods of combining geographic landscapes into types - the simplest classification unit are described, including a study of their structures. Natural boundaries and environments are genetically connected combinations which form the morphological structure. Structural elements, such as principal correlations between components, dominating natural boundaries and environments, form the type. Table 1 contains components of environments, natural boundaries and landscapes. The characteristic features of lake-landscapes in the north-west of the RSFSR are described and illustrated by 2 tables. There are 10 Soviet references. Library of Congress AVAILABLE: Card 1/1 1. Landscapes-Classification

CIA-RDP86-00513R002064630008-2"

APPROVED FOR RELEASE: 07/19/2001

AUTHOR: Lomberg, B. S.; Vertman, A. A.; Yak been, A. M.; cheladnov, V.

的表现,我还有效的,我们也没有的,我们们的一个人,我们们的一个人,我们们的一个人,我们们的一个人,我们们的一个人,我们们的一个人,我们们的一个人,我们们的一个人

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Unit for measuring the interphase metal-slag tension at high temperatures

SOURCE: Zavodskaya laboratoriya, v. 31, no. 8, 1965, 1020-1021

TOPIC TAGS: furnace, slag, thermocouple, vacuum seal, x ray application, molten metal, corundum, magnesite

ABSTRACT: This device is a resistance furnace with a two-filament heater. A crucible is placed in the isothermal zone of the heater on a magnesite support. The melting point is measured with a platinum-platinum-rhodium thermocouple set on the bottom of the crucible. A device mounted on the top cover permits adding of slag during the experiment. Scaling of the assembly is done with vacuum scals. Viewing windows are covered with 0.1-0.2 mm thick aluminum foil. Construction of the unit permits its operation in either a vacuum or in a neutral gas atmosphere. Experiments were conducted on correction and magnesite crucibles, 35 mm in diameter. A substrate cut from a cylindrical crucible of smaller diameter made of the same material is placed on the bottom of the crucible. Diameter of the metal drop on this substrate is 18-20 mm. To obtain an upper edge of the

Card 1/2 UDC: 620.1.052

L 23214-66 ACC NR. AP6013575 substrate border in the form of a true sphere, it is polished with convex and concave spheres. This provided for symmetry of the liquid metal drop. X-rays were taken with an RUP-1 x-ray device. Because of the protective shields and the intensive water cooling of the furnace housing it is possible to place the film at a minimum distance from the object. The film is placed in an aluminum cassette protected from scattering radiation by lead plates, 2 mm thick. Distance from the center of the drop to the film is 10 cm and 110 cm to the focal point of the tube. A clear image of the metal drop in the slag is obtained when the voltage on the tube is 180 kilovolts, current force-15 milliamps, and at an exposure time of 40-60 seconds. The interphase stress is calculated according to the dimensions of the drops found. The interphase tension of certain nickelbase alloys with slags was determined. The unit can be recommended for measuring the interphase tension between metals and slags of different compositions. Orig. art. has: 2 figures and 1 table. [JPRS] SUB CODE: 13 / SUBM DATE: none / ORIG REF: OOL

LOMBERG, B.S.; VERTMAN, A.A.; YAKOBSON, A.M.; ZHELADNOV, V.I.; POLYAKOV, A.Yu.

Apparatus for measuring the metal-slag interphase tension at high temperatures. Zav. lab. 31 no.8:1020-1021 '65. (MIRA 18:9)

1. Institut metallurgii imeni Baykova.

MUSATOV, A., slesar'; KHOHYAKOV, S., brigadir elektrikov; ZHRIAGIN, G., tokar'; SENIOSHIN, M., slesar'; Tool for straightening and cutting steel wire up to 6 mm. in diameter. Na stroi. Mosk. no.1:28 Ja 159. 1. Trest Mosstroy No.4 (for all). 2. Stroitel'nyy uchastok-21 (for Musatov, Thomyakov). 3. Stroitel'nyy uchastok-19 (for Semioshin, Zhelagin). (Wire) (Cutting machinery)

Tool for triusing wallpaper and outting borders. Ma stroi.

Mosk. no.1:29 Ja '59.

1. Stroitel'nyy uchastok - 19 tresta Mosstroy No.4.

(Faper hanging—Equipment and supplies)

ZHELAM	The right direction. Radio no.8:16 Ag '63.	(MIRA 16:9)
	1. Nachal'nik radiokluba Dobrovol'nogo obshchestva armii, aviatsii i flotu, g. Kalinin. (Radio clubs)	sodeystviya

表,是一种类型的主要是实现。1955年的1956年的1956年的1956年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1950年的1

	P6013823			50
	re kaj erektor	vba, L. M.; Zhelankin, A.		B
khimil, Mo	skovskiy gosudarstver h	stry, Moscow State University universitet) of wranium and rare earth	sity (Kafedra heorganichesko	oy •
SOURCE: M	oscow. Universitet. \	Vestnik. Seriya II. Khimiy	ya, no. 6, 1965, 53-56	
pound, ytto RKU-86 ABSTRACT: tems (where limits of tent and the trolled powith RKD-5 ratio R/U oxide incre Contrary t	erbium compound, x ro Carreta. The formation of flue R=La, Sm, Dy, Yb) at the rare earth oxides the total uranium contential. X-ray phase and RKU-86 cameras and reaches 6 in same eases the stability of expectations, the stability of the stabi	uorite-type phases was invannealed for 66-85 hr at less in uranium octoxide were tent were extermined by complete where R/U=2/1. Thus, of the hexavalent state of RO1,5). Orig. art. has	vestigated in R ₂ O ₃ -U ₃ O ₈ -O ₂ 1200°C, and the solubility e determined. The U(VI) columetric analysis at a colubidate to by using the powder methon of uranium changes with the presence of a rare eaf uranium at high temperatuoxides in U ₃ O ₈ was found to	sys- n- n- d he rth res.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064630008-2

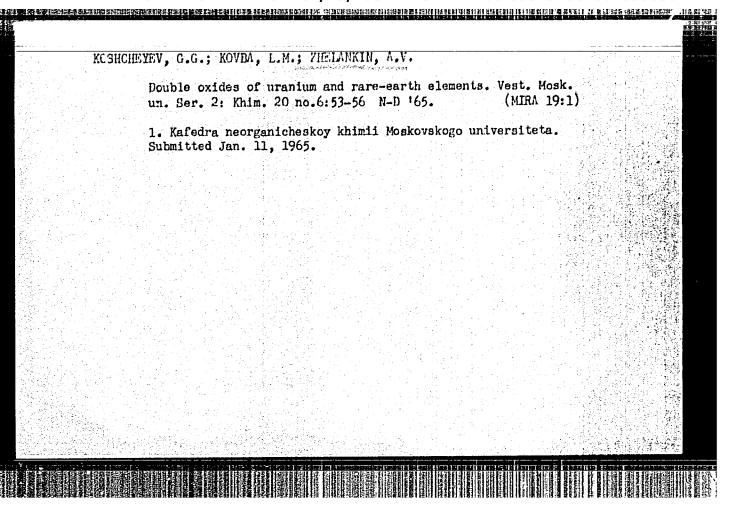
(m)/EWP(t)/ETI (c) ES/JD/WW/JG SOURCE CODE: UR/0189/66/000/001/0054/0056 ACC NR AP6010714 AUTHOR: Koshcheyev, G. G.; Rachev, V. V.; Ippolitova, Ye. A.; Zhelankin, ORG: Inorganic Chemistry Department, Moscow State University (Kafedra neorganicheskoy khimii, Moskovskiy gosudarstvennyy universitet) TITLE: Determination of the oxygen/uranium ratio in uranium oxides by controlledpotential coulometric analysis SOURCE: Moscow. Universitet. Vestnik, Seriya II. Khimiya, no. 1, 1966, 54-56 TOPIC TAGS: uranium, electrochemical analysis, oxygen, electrolysis ABSTRACT: The authors investigated the applicability of the coulometric method pro-

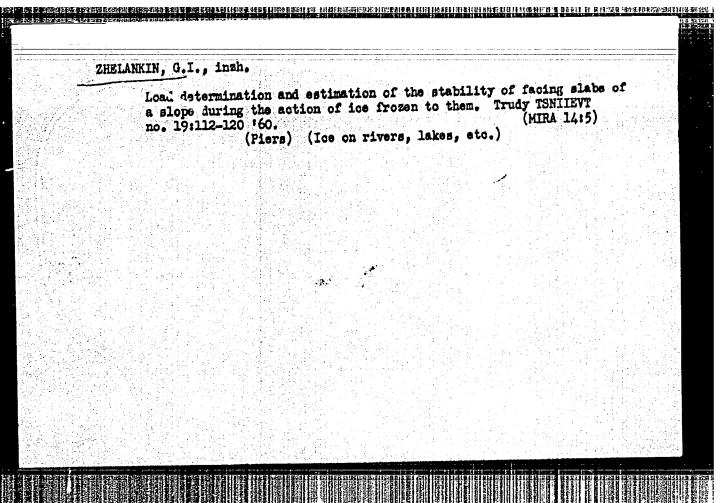
posed by W. M. Mac Nevin and B. B. Baker (Anal. Chem. 24, 986, 1952) to the determination of the ratio O/U in uranium oxides. The latter were dissolved in concentrated orthophosphoric acid, and a 1 M H2SQ solution was used as the background solution. Uranium (VI) was reduced at a cathode potential of -0.24 V for 3-4 min, and the current intensity was recorded every 15-30 sec. To determine the total uranium, U(IV) was exidized chemically to U(VI) by cerium (IV) at a cathode potential of -0.05 V, then uranium was again reduced as before. The amount of uranium was calculated from the formula

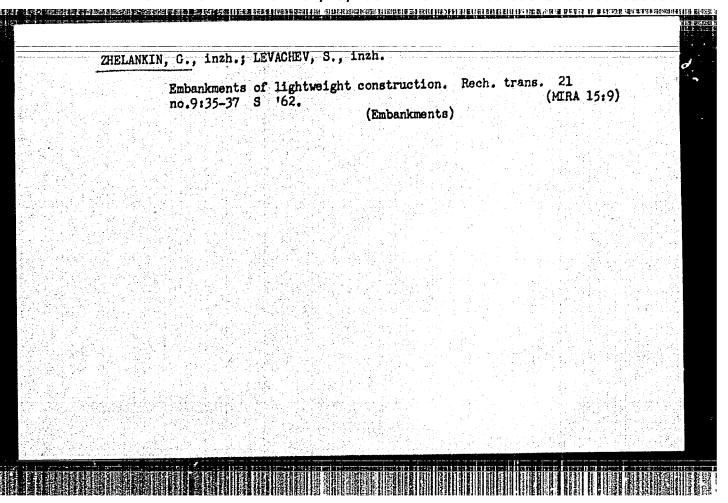
Card 1/2

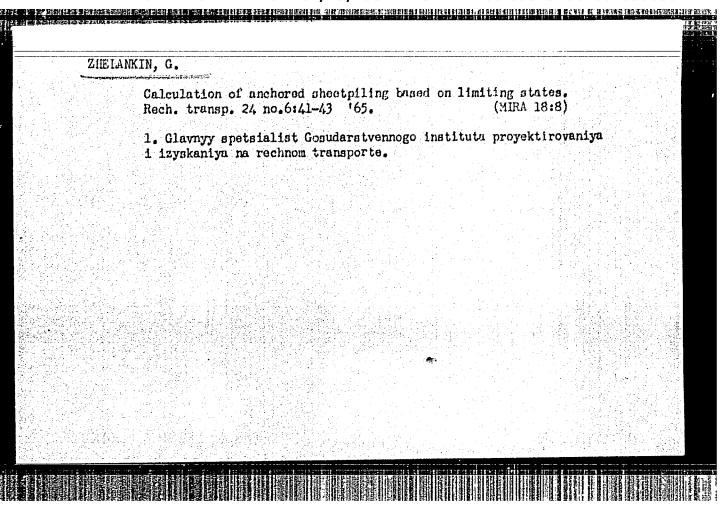
VDC: 536.7

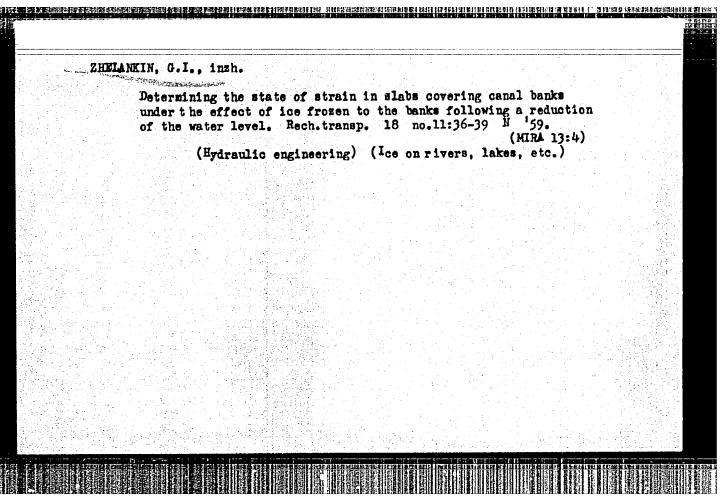
2/2 00 Card











ZHELANXIN, V.1.; KUTSEV. V.S.; ORMODT, B.F.

Study of equilibrium in the reduction of ZrO₂ by V₂O₃ by carbon at high temperatures, Zhur. neorg. khim. 3 no.5;1237-1240 My '58. (MIRA 11:6)

1.Fisiko-khimicheskiy institut im. L.Ya. Karpova i Vsesoyusnyy nauchno-issledevatel skiy institut tverdykh splavov. (Vanadium oxides) (Zirconium oxides) (Carbon)

ACCESSION NR: AP4033396

8/0076/64/038/003/0562/0564

AUTHORS: Zhelankin, V.I. (Moscow); Kutsev, V.S. (Moscow)

TITLE: Heat of formation of hafnium carbide as a function of composi-

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 3, 1964, 562-564

TOPIC TAGS: hafnium carbide, heat of formation, heat of combustion, calorimetry, thermochemistry

ABSTRACT: In this work Hf metal, HfO, and graphite were ground and screened through a 250 - 300 mesh siève, then they were thoroughly mixed and pressed under 150 atm pressure. Synthesis of preparations was done in a resistance wound furnace with a carbon heater in a 10⁻³ mm vacuum at 21000. All of the obtained preparations were subjected to chemical and x-ray analysis. For determination of the heat of combustion of hafnium carbide use was made of an isothermal bomb calcrimeter, 100 cm³ capacity. The heat capacity of the calcrimeter was 1041.5 ± 1.5 cal200/deg determined from the combustion of standard benzoic acid (Q = 6320 cal/g). Burning 0.7 g of hafnium

Card 1/2

AGCESSION NR: AP4033396

carbide powder increased the temperature of the calorimeter liquid by 1.10. To insure better combustion it was conducted in a Hf0 lined quartz furnace. The powder was placed in a thin layer on2 cotton fabric and was lighted by means of an iron wire. The combustion product was loose. When the oxygen pressure was 15 - 20 atm combustion proceeded smoothly. The combustion products were subjected to chemical analysis for unburned carbon. Completion of burning was conducted in an oxygen stream at 1000. The combustion products were controlled for content of 002 with barium hydroxide and also by volume measurement. X-ray analysis indicated only HfO2 lines. The heat of combustion of the HfO of stoichiometric composition is 305.9 kcal/mole. When the composition is changed from HfO2 for the heat of combustion changes by 28 kcal/mole and the heat of formation by 2.5 kcal/mole. Orig. art. has: 1 table

ASSOCIATION: Institut reaktivov i osobo chistykh veshchestv (Institute of Reagents and Ultrapure Substances) ULUTAPUA C

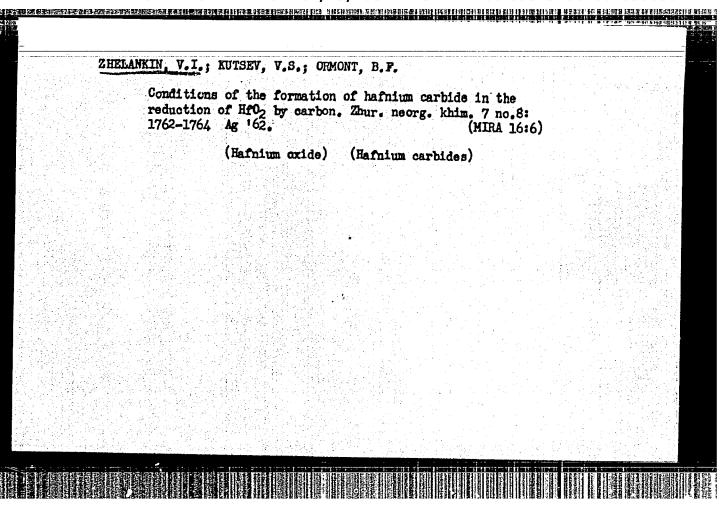
SUBMITTED: 15Nov62

SUB CODE: IC

NR REF SOV: 005

ENOL: 00

OTHER: 005



CIA-RDP86-00513R002064630008-2 "APPROVED FOR RELEASE: 07/19/2001

AT6033686

SOURCE CODE: UR/3231/66/000/001/0031/0053

AUTHOR: Kondorskaya, N. V.; Zhelankina, T. S.; Mebel', S. S.; Vartanova, L. Yu.

ORG: none

TITLE: Certain results of using an electronic computer to collate seismic observations

SOURCE: AN SSSR, Institut fiziki Zemli. Vychislitel'naya seysmologiya, no. 1, 1966. Analiz seysmicheskikh nablyudeniy naelektronnykr, mashinakh (Use of electronic computers in the analysis of seismic observations), 31-53

TOPIC TAGS: electronic computer, data analysis, earthquake, seismologic station, computer

ABSTRACT: The article analyzes the experience gained in the more precise determination of the coordinates of earthquake epicenters with the aid of an electronic computer by the method described by I. I. Pyatetskiy-Shapiro et al. (DAN SSSR, 1963, 151, no. 2, 323) (the "EPI-1" program). The epicenter coordinates were determined by the USSR Meteorological Service when drafting composite seismic bulletins for the period from the 4th quarter of 1960 until 1963. The use of the EPI-1 program proved beneficial in that it increased the number of the determined epicenters by a factor of I.5, enhanced the accuracy of their determination, and

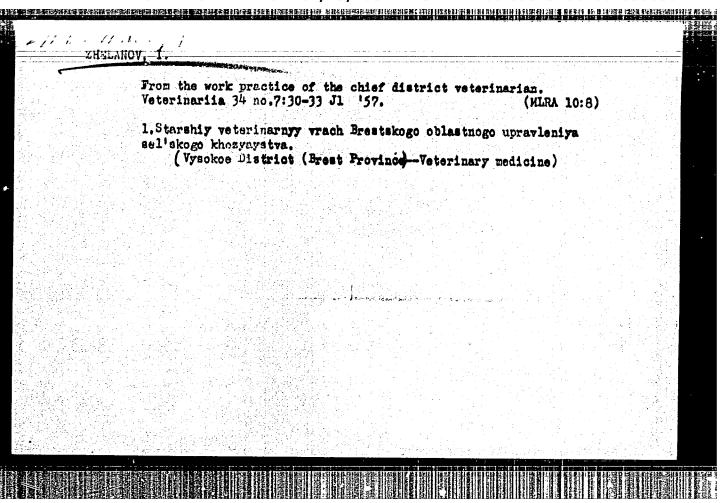
Card

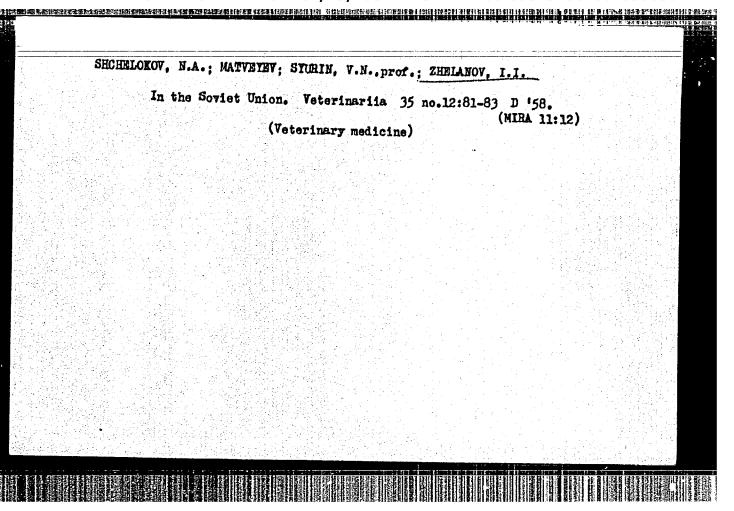
ACC NR. AT6033686

led to the solution of additional problems: a) an averaged law of the distribution of closing errors f_k (deviations from the standard Jeffreys-Bullen hodograph) was found for seismic stations in the USSR; b) the accuracy of determination of the epicenters of earthquakes occurring in various parts of the terrestrial globe (Central Asia, Kuriles-Kamchatka Arc, Japan, Alaska, California, etc.) is estimated, with the regions being divided into 4 groups according to the accuracy of determination; c) the possibility of the coincidence of findings with respect to the accuracy of determination of epicenter coordinates is proved as regards observational findings from ~90 foreign stations and 14 Soviet stations with enhanced accuracy of observations. The dependence of the accuracy of determination of epicenter coordinates on the depth of the earthquake focus is demonstrated. "In conclusion, the authors are indebted to V. I. Keylis-Borok for his comments on this project." Orig. art. has: 7 figures, 8 formulas, 6 tables.

SUB CODE: 09 08 17/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 004

Card 2/2





		ta] Krushok				
pedagog,	izd-vo M-va	prosv. RSFS	R, 1957. 2	noskva, v 7 p.	OB. uchebr (MIRA 1	o- 1:2)
1. Russi	a (1917- (Mechanical	R.S.F.S.R.) engineering)	Glavnoye	upravleniy	e shkol.	